

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1374 | (165/104.33).CCLS.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/02/14 11:23 |
| L2    | 852  | (165/104.26).CCLS.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/02/14 11:28 |
| L3    | 912  | (165/104.21).CCLS.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/02/14 11:34 |
| L4    | 452  | (165/104.19).CCLS.  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/02/14 11:36 |
| L5    | 492  | (165/80.3 or 165/185).ccls. and heat<br>adj pipe              | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | ON      | 2005/02/14 11:39 |
| L6    | 1872 | ("361"/\$ or "174"/\$ or "257"/\$).ccls.<br>and heat adj pipe | US-PGPUB;<br>USPAT  | OR               | ON      | 2005/02/14 11:56 |
| L7    | 2    | hsu-hui-chun.in.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/02/14 11:59 |
| L8    | 3    | ((("2958021") or ("5632158") or<br>("5582242")).PN.           | USPAT   | OR               | OFF     | 2005/02/14 12:00 |
| S1    | 991  | (165/104.26).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR               | OFF     | 2003/12/10 12:05 |
| S2    | 1    | "2216778".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S3    | 1    | "2574142".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S4    | 1    | "2585912".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S5    | 1    | "3189087".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S6    | 1    | "3216095".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S7    | 1    | "3543069".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:38 |
| S8    | 1    | "5509465".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:39 |
| S9    | 1    | "6006827".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:39 |
| S10   | 1    | "6382307".PN.   | USPAT   | OR               | OFF     | 2003/12/10 10:39 |
| S11   | 283  | (29/890.032).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR               | OFF     | 2003/12/10 12:13 |
| S12   | 1133 | (165/104.21).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT             | OR               | OFF     | 2003/12/10 12:46 |

|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S13 | 1231 | (165/104.33).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2003/12/11 10:52 |
| S14 | 72   | heat adj pipe and stacked WITH fin                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2003/12/23 11:22 |
| S15 | 638  | (361/700).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2003/12/11 11:00 |
| S16 | 562  | (257/715).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2003/12/11 11:00 |
| S17 | 130  | heat adj pipe and stack\$3 WITH fin                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2003/12/11 11:53 |
| S18 | 4    | 165/104.26.ccls. and aluminum adj<br>nitride                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2004/05/21 10:04 |
| S19 | 33   | "165"/\$.ccls. and heat adj pipe and<br>aluminum adj nitride | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT           | OR | ON  | 2003/12/23 11:38 |
| S20 | 1    | ("6019167").PN.  | USPAT;<br>USOCR                                       | OR | OFF | 2004/04/02 10:44 |
| S21 | 1    | "1550154".PN.  | USPAT   | OR | OFF | 2004/04/02 10:46 |
| S22 | 1    | "1780110".PN.  | USPAT   | OR | OFF | 2004/04/02 10:46 |
| S23 | 1    | "3489207".PN.  | USPAT   | OR | OFF | 2004/04/02 10:46 |
| S24 | 1    | "3741292".PN.  | USPAT   | OR | OFF | 2004/04/02 10:46 |
| S25 | 1    | "4619316".PN.  | USPAT   | OR | OFF | 2004/04/02 10:47 |
| S26 | 1    | "4745966".PN.  | USPAT   | OR | OFF | 2004/04/02 10:47 |
| S27 | 1    | "4790370".PN.  | USPAT   | OR | OFF | 2004/04/02 10:47 |
| S28 | 1    | "5411077".PN.  | USPAT   | OR | OFF | 2004/04/02 10:47 |
| S29 | 1    | "5529115".PN.  | USPAT   | OR | OFF | 2004/04/02 10:47 |
| S30 | 1    | "5842514".PN.  | USPAT   | OR | OFF | 2004/04/02 10:48 |
| S31 | 1    | "5529115".PN.  | USPAT   | OR | OFF | 2004/04/02 10:48 |
| S32 | 1    | "5411077".PN.  | USPAT   | OR | OFF | 2004/04/02 10:48 |
| S33 | 1    | "5842514".PN.  | USPAT   | OR | OFF | 2004/04/02 10:48 |

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|-----|-----|--------------------|------------------------------|----|-----|------------------|
| S34 | 1   | "5529115".PN.      | USPAT                        | OR | OFF | 2004/04/02 10:48 |
| S35 | 1   | "1841380".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S36 | 1   | "2585912".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S37 | 1   | "2959402".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S38 | 1   | "3141999".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S39 | 1   | "3246213".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S40 | 1   | "4648443".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:42 |
| S41 | 1   | "5509465".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:43 |
| S42 | 1   | "5947192".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:43 |
| S43 | 1   | "6006827".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:43 |
| S44 | 1   | "6289975".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:43 |
| S45 | 1   | "3368359".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:45 |
| S46 | 1   | "3528276".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:45 |
| S47 | 795 | (165/104.26).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/04/02 12:23 |
| S48 | 1   | "4675783".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:55 |
| S49 | 1   | "4777561".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:55 |
| S50 | 1   | "5014904".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:55 |
| S51 | 1   | "5229915".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:55 |
| S52 | 1   | "5402160".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:56 |
| S53 | 1   | "5879461".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:56 |
| S54 | 1   | "5959837".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:56 |
| S55 | 1   | "5959837".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:57 |
| S56 | 1   | "5285347".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:57 |
| S57 | 1   | "5339214".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:57 |
| S58 | 1   | "5598320".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:57 |
| S59 | 1   | "5706169".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:57 |
| S60 | 1   | "3572430".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:58 |
| S61 | 1   | "3626252".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:58 |
| S62 | 1   | "4000776".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:58 |
| S63 | 1   | "4052854".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:58 |
| S64 | 1   | "4088118".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S65 | 1   | "4127105".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S66 | 1   | "4161212".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S67 | 1   | "4170262".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S68 | 1   | "4388964".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S69 | 1   | "4416261".PN.      | USPAT                        | OR | OFF | 2004/04/02 11:59 |
| S70 | 1   | "4420035".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |

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| S71      | 1    | "4421104".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S72      | 1    | "4583584".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S73      | 1    | "4603734".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S74      | 1    | "4631388".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S75      | 1    | "4727455".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S76      | 1    | "4789023".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S77      | 1    | "4802532".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S78      | 1    | "4830097".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:00 |
| S79      | 1    | "4852645".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S80      | 1    | "4880052".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S81      | 1    | "5024264".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S82      | 1    | "5077103".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S83      | 1    | "5161884".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S84      | 1    | "5358033".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S85      | 1    | "5378924".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:01 |
| S86      | 1    | "5646822".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:02 |
| S87      | 1    | "2732615".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:02 |
| S88      | 1    | "2867417".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:02 |
| S89      | 1    | "3387653".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S90      | 1    | "3630799".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S91      | 1    | "3686081".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S92      | 1    | "3767759".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S93      | 1    | "3813767".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S94      | 1    | "4026006".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:03 |
| S95      | 1    | "4078604".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S96      | 1    | "4160476".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S97      | 1    | "5025546".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S98      | 1    | "5070606".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S99      | 1    | "5339214".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S10<br>0 | 1    | "5549155".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S10<br>1 | 1    | "5725050".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:04 |
| S10<br>2 | 1    | "5826645".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:05 |
| S10<br>3 | 1231 | (165/104.33).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/04/02 12:24 |
| S10<br>4 | 1    | "5583746".PN.      | USPAT                        | OR | OFF | 2004/04/02 12:39 |

|          |    |                     |   |    |     |                  |
|----------|----|---------------------|---|----|-----|------------------|
| S10<br>5 | 1  | "5959837".PN.       | USPAT                                       | OR | OFF | 2004/04/02 12:39 |
| S10<br>6 | 1  | "6542364".PN.       | USPAT                                       | OR | OFF | 2004/04/02 12:39 |
| S10<br>7 | 1  | "3739234".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:25 |
| S10<br>8 | 1  | "5535816".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:25 |
| S10<br>9 | 1  | "5690468".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:25 |
| S11<br>0 | 1  | "5729995".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:25 |
| S11<br>1 | 1  | "5835350".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:25 |
| S11<br>2 | 1  | "5896917".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>3 | 1  | "5949648".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>4 | 1  | "5959837".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>5 | 1  | "5960865".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>6 | 1  | "6041850".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>7 | 1  | "6043980".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:26 |
| S11<br>8 | 1  | "6102110".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S11<br>9 | 1  | "6104611".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S12<br>0 | 1  | "6105662".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S12<br>1 | 1  | "6320746".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S12<br>2 | 1  | "6343643".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S12<br>3 | 1  | "6352104".PN.       | USPAT                                       | OR | OFF | 2004/04/02 13:27 |
| S12<br>4 | 43 | LUO-CHIN-KUANG-.in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/05/02 08:44 |
| S12<br>5 | 1  | "3603382".PN.       | USPAT                                       | OR | OFF | 2004/05/02 08:50 |
| S12<br>6 | 1  | "5381859".PN.       | USPAT                                       | OR | OFF | 2004/05/02 08:50 |

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|----------|---|---|-------|----|-----|------------------|
| S12<br>7 | 1 | "5582242".PN.   | USPAT | OR | OFF | 2004/05/02 08:50 |
| S12<br>8 | 1 | "5582246".PN.   | USPAT | OR | OFF | 2004/05/02 08:51 |
| S12<br>9 | 1 | "6006827".PN.   | USPAT | OR | OFF | 2004/05/02 08:51 |
| S13<br>0 | 1 | "6382307".PN.   | USPAT | OR | OFF | 2004/05/02 08:51 |
| S13<br>1 | 1 | "6450250".PN.   | USPAT | OR | OFF | 2004/05/02 08:51 |
| S13<br>2 | 0 | "2002/0080582".PN.  | USPAT | OR | OFF | 2004/05/02 08:51 |
| S13<br>3 | 0 | "2002/0080582".PN.  | USPAT | OR | OFF | 2004/05/02 08:51 |
| S13<br>4 | 0 | "2003/0066628".PN.  | USPAT | OR | OFF | 2004/05/02 08:52 |
| S13<br>5 | 0 | "2003/0070791".PN.  | USPAT | OR | OFF | 2004/05/02 08:52 |
| S13<br>6 | 7 | ("3603382"   "5381859"   "5582242"  <br>"5582246"   "6006827"   "6382307"  <br>"6450250"   "2002/0080582"  <br>"2003/0066628"   "2003/0070791").<br>PN. | USPAT | OR | OFF | 2004/05/02 08:52 |
| S13<br>7 | 0 | "6725909".URPN.   | USPAT | OR | OFF | 2004/05/02 08:52 |
| S13<br>8 | 0 | "6725909".URPN.   | USPAT | OR | OFF | 2004/05/02 08:52 |
| S13<br>9 | 1 | "2883591".PN.   | USPAT | OR | OFF | 2004/05/02 08:55 |
| S14<br>0 | 1 | "4106171".PN.   | USPAT | OR | OFF | 2004/05/02 08:55 |
| S14<br>1 | 1 | "4253518".PN.   | USPAT | OR | OFF | 2004/05/02 08:56 |
| S14<br>2 | 1 | "4995451".PN.   | USPAT | OR | OFF | 2004/05/02 08:56 |
| S14<br>3 | 1 | "5168919".PN.   | USPAT | OR | OFF | 2004/05/02 08:56 |
| S14<br>4 | 1 | "2883591".PN.   | USPAT | OR | OFF | 2004/05/02 08:57 |
| S14<br>5 | 1 | "4503483".PN.   | USPAT | OR | OFF | 2004/05/02 08:57 |
| S14<br>6 | 1 | "4633371".PN.   | USPAT | OR | OFF | 2004/05/02 08:57 |
| S14<br>7 | 1 | "4912548".PN.   | USPAT | OR | OFF | 2004/05/02 08:57 |

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|----------|-----|--------------------|------------------------------|----|-----|------------------|
| S14<br>8 | 1   | "4951740".PN.      | USPAT                        | OR | OFF | 2004/05/02 08:57 |
| S14<br>9 | 1   | "4966226".PN.      | USPAT                        | OR | OFF | 2004/05/02 08:58 |
| S15<br>0 | 1   | "5095404".PN.      | USPAT                        | OR | OFF | 2004/05/02 08:58 |
| S15<br>1 | 1   | "5131457".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:01 |
| S15<br>2 | 1   | "5206791".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:01 |
| S15<br>3 | 1   | "1693324".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>4 | 1   | "2958021".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>5 | 1   | "4293030".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>6 | 1   | "4549603".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>7 | 1   | "4633371".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>8 | 1   | "4833567".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S15<br>9 | 1   | "4912548".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:55 |
| S16<br>0 | 1   | "5168919".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>1 | 1   | "5216580".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>2 | 1   | "5252778".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>3 | 1   | "5305184".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>4 | 1   | "5323292".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>5 | 1   | "5331510".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>6 | 1   | "5396947".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>7 | 1   | "5529115".PN.      | USPAT                        | OR | OFF | 2004/05/02 09:56 |
| S16<br>8 | 855 | (165/104.21).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/05/02 10:05 |
| S16<br>9 | 802 | (165/104.26).CCLS. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/05/02 10:10 |

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|----------|------|---|---|----|-----|------------------|
| S17<br>0 | 1248 | (165/104.33).CCLS.                                      | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:33 |
| S17<br>1 | 660  | (361/700).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:17 |
| S17<br>2 | 349  | (174/15.2).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:20 |
| S17<br>3 | 369  | (257/715).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:21 |
| S17<br>4 | 66   | (257/716).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:21 |
| S17<br>5 | 157  | (29/890.032).CCLS.                                      | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:23 |
| S17<br>6 | 131  | (29/890.032).CCLS.                                      | USOCR;<br>EPO; JPO;<br>DERWENT              | OR | OFF | 2004/05/02 10:23 |
| S17<br>7 | 213  | (165/287).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:33 |
| S17<br>8 | 77   | (165/272).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2004/05/02 10:33 |
| S17<br>9 | 1    | "5216580".pn. and titanium                              | USPAT                                       | OR | OFF | 2004/05/21 09:59 |
| S18<br>0 | 1    | ("6712128").PN.   | USPAT;<br>USOCR                             | OR | OFF | 2004/05/21 10:00 |
| S18<br>1 | 2    | sarraf-david.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/05/21 10:02 |
| S18<br>2 | 171  | heat adj pipe and aluminum adj nitride                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/05/21 10:04 |
| S18<br>3 | 145  | (heat adj pipe and aluminum adj<br>nitride ) and copper | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/05/21 10:05 |



|          |      |  |                              |    |     |                  |
|----------|------|--|------------------------------|----|-----|------------------|
| S18<br>4 | 50   | ((("6237223") or ("5485671") or ("5720338") or ("5472043") or ("4966226") or ("4941530") or ("4944344") or ("6714413") or ("5305611") or ("5871043") or ("6349566") or ("5258888") or ("5917700") or ("6019165") or ("6021844") or ("6078499") or ("6175495") or ("6377219") or ("6385047") or ("6397941") or ("6585039") or ("6649108") or ("6680015") or ("6681487") or ("5589711") or ("5734201") or ("6167948") or ("6125035") or ("5943211") or ("6082443") or ("6141215") or ("6169660") or ("6269866") or ("6478997") or ("6540948") or ("5864466") or ("6064572") or ("6231927") or ("5253702") or ("5329993") or ("5513071") or ("3837394") or ("4590538") or ("5398519") or ("5899265") or ("6019167") or ("6148905") or ("6169658") or ("6278611") or ("4867772"))).PN. | USPAT;<br>USOCR              | OR | OFF | 2004/09/07 14:07 |
| S18<br>5 | 875  | (165/104.21).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:08 |
| S18<br>6 | 1295 | (165/104.33).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:09 |
| S18<br>7 | 2340 | (165/80.3).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:10 |
| S18<br>8 | 382  | (257/715).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:11 |
| S18<br>9 | 695  | (361/700).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:11 |
| S19<br>0 | 371  | (174/15.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:11 |
| S19<br>1 | 1526 | (174/16.3).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/09/07 14:12 |
| S19<br>2 | 5    | ("2883591"   "4106171"   "4253518"   "4995451"   "5168919").PN.  | USPAT                        | OR | OFF | 2004/11/08 12:58 |
| S19<br>3 | 14   | "5582242".URPN.  | USPAT                        | OR | OFF | 2004/11/08 12:59 |

|          |    |  |   |    |     |                  |
|----------|----|--|---|----|-----|------------------|
| S19<br>4 | 7  | ("3603382"   "5381859"   "5582242"   "5582246"   "6006827"   "6382307"   "6450250"   "2002/0080582"   "2003/0066628"   "2003/0070791").<br>PN.             | USPAT                                       | OR | OFF | 2004/11/08 13:02 |
| S19<br>5 | 1  | "6725909".URPN.  | USPAT                                       | OR | OFF | 2004/11/08 13:02 |
| S19<br>6 | 9  | ("3852806"   "4214406"   "4693306"   "4836275"   "5216580"   "5582242"   "5632158"   "6070656"   "6450250"   "2002/0080582"   "2003/0066628").<br>PN.      | USPAT                                       | OR | OFF | 2004/11/08 13:03 |
| S19<br>7 | 0  | "6793009".URPN.  | USPAT                                       | OR | OFF | 2004/11/08 13:03 |
| S19<br>8 | 2  | HSU-HUI-CHUN.IN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2004/11/08 13:08 |
| S19<br>9 | 0  | ("us6725909b1").PN.  | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 13:08 |
| S20<br>0 | 0  | ("us6725909b1").PN.  | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 13:09 |
| S20<br>1 | 2  | ((("5582242") or ("6725909"))).PN.   | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 14:12 |
| S20<br>2 | 0  | ("5582242" OR "6725909").CCLS. AND<br>wick   | USPAT                                       | OR | ON  | 2004/11/08 13:10 |
| S20<br>3 | 0  | ("5582242" OR "6725909").pn. AND<br>wick   | USPAT                                       | OR | ON  | 2004/11/08 13:11 |
| S20<br>4 | 0  | "5582242".pn. and wick   | USPAT                                       | OR | ON  | 2004/11/08 13:11 |
| S20<br>5 | 0  | "6725909".pn. and wick   | USPAT                                       | OR | ON  | 2004/11/08 13:11 |
| S20<br>6 | 1  | "6725909".pn. and pipe   | USPAT                                       | OR | ON  | 2004/11/08 13:11 |
| S20<br>7 | 5  | ((("5582242") or ("6725909") or ("6793009") or ("20030066628") or ("5632158") or ("5412535"))).PN.   | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 14:13 |
| S20<br>8 | 0  | ((("US6793009B1") or ("US6725909B1"))).PN.   | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 14:30 |
| S20<br>9 | 6  | ((("6793009") or ("6725909") or ("5632158") or ("5582242") or ("5412535") or ("6536510"))).PN.   | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 14:38 |
| S21<br>0 | 10 | ((("6793009") or ("6725909") or ("5632158") or ("5582242") or ("5412535") or ("6536510") or ("3598180") or ("5642776") or ("4274479") or ("6227287"))).PN. | USPAT;<br>USOCR                             | OR | OFF | 2004/11/08 15:22 |

|          |    |   |                              |    |     |                  |
|----------|----|---|------------------------------|----|-----|------------------|
| S21<br>1 | 0  | ("4274479" or "3598180").pn. and particle   | USPAT                        | OR | ON  | 2004/11/08 15:23 |
| S21<br>2 | 0  | "4274479".pn. and particle  | USPAT                        | OR | ON  | 2004/11/08 15:23 |
| S21<br>3 | 0  | "3598180".pn. and particle  | USPAT                        | OR | ON  | 2004/11/08 15:23 |
| S21<br>4 | 0  | "4274479".pn. and average   | USPAT                        | OR | ON  | 2004/11/08 15:24 |
| S21<br>5 | 0  | "3598180".pn. and average   | USPAT                        | OR | ON  | 2004/11/08 15:29 |
| S21<br>6 | 1  | "6536510".pn. and average   | USPAT                        | OR | ON  | 2004/11/08 15:24 |
| S21<br>7 | 0  | "4274479".pn. and mm  | USPAT                        | OR | ON  | 2004/11/08 15:25 |
| S21<br>8 | 1  | "4274479".pn. and diameter  | USPAT                        | OR | ON  | 2004/11/08 15:25 |
| S21<br>9 | 1  | "3598180".pn. and diameter  | USPAT                        | OR | ON  | 2004/11/08 15:29 |
| S22<br>7 | 17 | ("1693324"   "2958021"   "4293030"   "4549603"   "4633371"   "4833567"   "4912548"   "5168919"   "5216580"   "5252778"   "5305184"   "5323292"   "5331510"   "5396947"   "5529115").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/29 10:18 |
| S22<br>8 | 6  | ("5632158").URPN.   | USPAT                        | OR | OFF | 2004/11/29 10:18 |
| S22<br>9 | 11 | ("20020080582"   "20030066628"   "3852806"   "4214406"   "4693306"   "4836275"   "5216580"   "5582242"   "5632158"   "6070656"   "6450250").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/29 10:24 |
| S23<br>0 | 10 | ("20020080582"   "20030066628"   "20030070791"   "3603382"   "5381859"   "5582242"   "5582246"   "6006827"   "6382307"   "6450250").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/29 10:27 |
| S23<br>1 | 1  | ("6725909").URPN.   | USPAT                        | OR | OFF | 2004/11/29 10:29 |
| S23<br>2 | 1  | ("3680189").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/29 10:31 |
| S23<br>3 | 7  | ("2259433"   "3305005"   "3498369"   "3613778").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2004/11/29 10:31 |
| S23<br>4 | 36 | ("3613778").URPN.   | USPAT                        | OR | OFF | 2004/11/29 10:32 |
| S23<br>5 | 1  | ("6793009").PN.   | USPAT                        | OR | OFF | 2005/01/13 09:03 |

|          |    |   |   |    |     |                  |
|----------|----|---|---|----|-----|------------------|
| S23<br>6 | 33 | ((heat adj pipe) same (aluminum near nitride))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/01/13 09:26 |
| S23<br>7 | 0  | ((heat adj pipe) same (direct near copper near bond))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/01/13 09:20 |
| S23<br>8 | 16 | ((heat adj pipe) and (direct near copper near bond))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/01/13 09:20 |
| S23<br>9 | 1  | "5216580".pn. and wick  | USPAT   | OR | ON  | 2005/01/13 09:27 |
| S24<br>0 | 10 | ("2883591"   "4503483"   "4633371"   "4912548"   "4951740"   "4966226"   "5095404"   "5131457"   "5206791").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/02/14 09:38 |
| S24<br>1 | 24 | ("5412535").URPN.   | USPAT   | OR | OFF | 2005/02/14 09:42 |
| S24<br>2 | 6  | ("2883591"   "4106171"   "4253518"   "4995451"   "5168919").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/02/14 09:48 |
| S24<br>3 | 15 | ("5582242").URPN.   | USPAT   | OR | OFF | 2005/02/14 09:51 |
| S24<br>4 | 17 | ("1693324"   "2958021"   "4293030"   "4549603"   "4633371"   "4833567"   "4912548"   "5168919"   "5216580"   "5252778"   "5305184"   "5323292"   "5331510"   "5396947"   "5529115").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/02/14 09:57 |
| S24<br>5 | 10 | ("5632158").URPN.   | USPAT   | OR | OFF | 2005/02/14 10:42 |